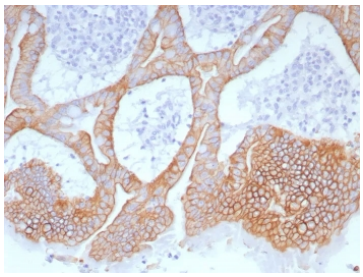
Cytokeratin 20 Antibody / CK20 / KRT20 [clone Ks20.8] (V5542)

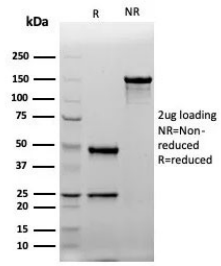
Catalog No.	Formulation	Size
V5542-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5542-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5542SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	Ks20.8
Purity	Protein A/G affinity
UniProt	P35900
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Cytokeratin 20 antibody is available for research use only.



IHC staining of FFPE human colon tissue with Cytokeratin 20 antibody (clone Ks20.8). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Cytokeratin 20 antibody (clone Ks20.8) as confirmation of integrity and purity.

Description

Cytokeratin 20 antibody detects keratin 20, an intermediate filament protein encoded by the KRT20 gene. CK20 is expressed in gastrointestinal epithelium, urothelium, and Merkel cells, making it a useful marker in pathology and cancer biology. Because cytokeratins form part of the structural framework of epithelial cells, Cytokeratin 20 antibody is widely applied to classify tumors and to study epithelial differentiation.

CK20 is a type I keratin that partners with type II keratins to form heterodimers, which then assemble into intermediate filaments. These filaments provide mechanical strength, maintain polarity, and contribute to intracellular organization. CK20 is particularly abundant in intestinal mucosa, where it supports barrier function, and in bladder epithelium, where it reinforces tissue stability. In tumors, CK20 expression is a diagnostic marker that distinguishes colorectal and urothelial carcinomas from other cancer types.

The Cytokeratin 20 antibody clone Ks20.8 is highly specific and has been used extensively in peer-reviewed publications examining tumor classification and epithelial lineage biology. Recombinant-grade production ensures consistency across batches, making clone Ks20.8 dependable for diagnostic and experimental studies. Its reproducible performance allows reliable comparison across tissue panels and research projects.

Research using clone Ks20.8 has clarified how CK20 expression patterns contribute to diagnostic algorithms in surgical pathology. CK20 positivity, often combined with CK7 staining, helps determine the tissue origin of metastatic carcinomas. It also assists in identifying Merkel cell carcinoma and in distinguishing urothelial carcinoma from other neoplasms. Beyond diagnostics, CK20 expression is studied in intestinal differentiation and epithelial polarity, where it provides insight into tissue organization.

NSJ Bioreagents supplies this Cytokeratin 20 antibody to support oncology, pathology, and epithelial research. Alternate names include KRT20 antibody, keratin 20 antibody, intestinal keratin antibody, urothelial keratin antibody, and epithelial intermediate filament antibody.

Application Notes

Optimal dilution of the Cytokeratin 20 antibody should be determined by the researcher.

Immunogen

A recombinant fragment of human KRT20 protein (within amino acids 196-323) was used as the immunogen for the Cytokeratin 20 antibody.

Storage

Aliquot the Cytokeratin 20 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.